

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-020364**Date Inspected:** 04-Sep-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Zhu Zhong Hai**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG Segment Assembly**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, Ramesh Gade, was present during the times noted above for observations relative to the work being performed.

This QA Inspector performed the following work:

OBG Segment 9DW-9EW

This QA Inspector performed verification Ultrasonic Testing (UT) in accordance with ABF/CT Pattern "D" UT Procedure 001 Revision 1. All recordable Indications if found were recorded on a data sheet that Caltrans QA generates after performing a joint inspection. The members are identified as the Bottom Panel splice weld repaired area.

ABF notification # 09022010-1

The weld designations reviewed are as follows:

OBW9C-008

OBG Segment 10AE-10BE

WELDING INSPECTION REPORT

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Shielded Metal Arc Welding (SMAW) in the 4G position of Crossbeam side DP 'T' rib holdback weld # DP701-001-15. The welder is identified as 040320. ZPMC Quality Control (QC) is identified as Wang Li Yang. The welding variables recorded by QC appeared to comply with WPS-B-T-4114-1. See attached photograph Pic_001.

OBG Segment 10BW-10CW

Shielded Metal Arc Welding (SMAW) in the 4G position of Counterweight side EP to SP holdback weld # CA073-005 & CA077-00115. The welder is identified as 046709. ZPMC Quality Control (QC) is identified as Shi Lei. The welding variables recorded by QC appeared to comply with WPS-B-P-2214-TC-U4b-FCM-1. See attached photograph Pic_002.

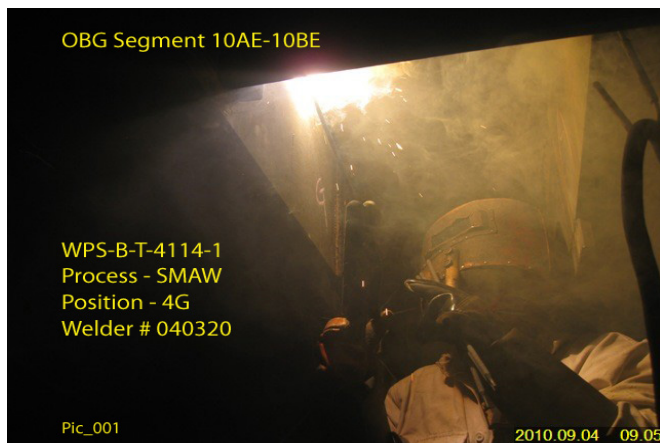
OBG Segment 12AW

This QA Inspector performed verification Ultrasonic Testing (UT) in accordance with ABF/CT Pattern "D" UT Procedure 001 Revision 1. All recordable Indications if found were recorded on a data sheet that Caltrans QA generates after performing a joint inspection. The members are identified as the Counterweight side DP to EP weld repaired area.

ABF notification # 09042010-1

The weld designations reviewed are as follows:

CA3006-004



Summary of Conversations:

No relevant conversations reported on this date.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang (+86)15000 42 2372, who represents the Office of Structural Materials for your project.

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Inspected By:	Gade,Ramesh	Quality Assurance Inspector
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Reviewed By:	McClendon,Timothy	QA Reviewer
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